

**SEARCH REQUEST FORM**

Scientific and Technical Information Center

Requester's Full Name: Dianne A. Walls Examiner #: 71,220 Date: 1-7-02  
 Art Unit: 1731 Phone Number 305-0933 Serial Number: 09/582,130  
 Mail Box and Bldg/Rm Location: PO-1804 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Use of polyphenol compounds or derivatives thereof

Inventors (please provide full names): Imam Emami

Earliest Priority Filing Date: 12/24/1997

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search all databases for "extract of rosemary" or "carnosol" or "rosmanol" or "rosmarinic acid" or "carnosic acid" used in "cigarette filters".

Attached is a copy of the claims for further guidance.

<b>STAFF USE ONLY</b>		Type of Search	Vendors and cost where applicable
Searcher:	<u>K. Filler</u>	NA Sequence (#)	STN <input checked="" type="checkbox"/>
Searcher Phone #:		AA Sequence (#)	Dialog <input type="checkbox"/>
Searcher Location:		Structure (#)	Questel/Orbit <input type="checkbox"/>
Date Searcher Picked Up:		Bibliographic <input checked="" type="checkbox"/>	Dr. Link <input type="checkbox"/>
Date Completed:	<u>1/7/02</u>	Litigation <input type="checkbox"/>	Lexis/Nexis <input type="checkbox"/>
Searcher Prep & Review Time:	<u>20</u>	Fulltext <input type="checkbox"/>	Sequence Systems <input type="checkbox"/>
Clerical Prep Time:		Patent Family <input type="checkbox"/>	WWW/Internet <input type="checkbox"/>
Online Time:	<u>37</u>	Other <input type="checkbox"/>	Other (specify) _____



EIC 1700 / Lutrelle F. Parker Law Library

*Scientific and Technical Information Center*

## Search Results Feedback Form

The search results generated for your recent request are attached. If you have any questions or comments (compliments or complaints) about the scope or the results of the search, please contact the searcher whose name is circled below.

Kathleen Fuller 308-4290

Eric Linnell 308-4143

Tim Saunders 308-4139

All the searchers are located in the library in CP3/4 3D62

# EIC1700

## Search Results

### Feedback Form (Optional)



Scientific & Technical Information Center

The search results generated for your recent request are attached. If you have any questions or comments (compliments or complaints) about the scope or the results of the search, please contact *the EIC searcher* who conducted the search or contact:

Kathleen Fuller, Team Leader, 308-4290, CP3/4 3D62

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#### *Voluntary Results Feedback Form*

➤ *I am an examiner in Workgroup:*  *Example:*

➤ *Relevant prior art found, search results used as follows:*

- 102 rejection
- 103 rejection
- Cited as being of interest.
- Helped examiner better understand the invention.
- Helped examiner better understand the state of the art in their technology.

*Types of relevant prior art found:*

- Foreign Patent(s)
- Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ *Relevant prior art not found:*

- Results verified the lack of relevant prior art (helped determine patentability).
- Search results were not useful in determining patentability or understanding the invention.

**Other Comments:**

WALLS 09/582130 Page 1

=> FILE REG COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	86.88	113.74

FILE 'REGISTRY' ENTERED AT 14:28:03 ON 07 JAN 2002  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 6 JAN 2002 HIGHEST RN 380539-05-9  
DICTIONARY FILE UPDATES: 6 JAN 2002 HIGHEST RN 380539-05-9

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS  
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> SET COST OFF

SET COMMAND COMPLETED

=> D QUE

L4	4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY, EXT."/CN)
L5	1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN
L6	2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE" /CN)
L7	3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR "CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR "CARNOSOLIC ACID"/CN)
L8	2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC ACID METHYL ESTER"/CN)
L9	5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)
L10	16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)

=> D L10 1-16

L10 ANSWER 1 OF 16 REGISTRY COPYRIGHT 2002 ACS  
RN 316123-22-5 REGISTRY  
CN Phenol, 2-methoxy-4-(2-propenyl)-, mixt. with rosemary oil (9CI) (CA  
INDEX NAME)

OTHER NAMES:

CN Rosemary oil-eugenol mixt.  
MF C10 H12 O2 . Unspecified  
CI MXS, MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT

KATHLEEN FULLER EIC 1700/LAW LIBRARY 308-4290

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 2 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 313050-47-4 REGISTRY

CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-6-hydroxy-5-methoxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR,10aS)- (9CI) (CA INDEX NAME)

## OTHER NAMES:

CN Carnosic acid 11-methyl ether

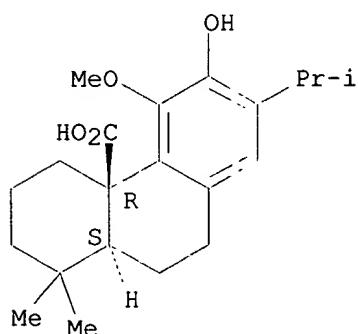
FS STEREOSEARCH

MF C21 H30 O4

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry. Rotation (+).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 3 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 103530-90-1 REGISTRY

CN 4a(2H)-Phenanthrenecarboxylic acid, 5,6-bis(acetyloxy)-1,3,4,9,10,10a-hexahydro-1,1-dimethyl-7-(1-methylethyl)-, methyl ester, (4aR,10aS)- (9CI) (CA INDEX NAME)

## OTHER CA INDEX NAMES:

CN 4a(2H)-Phenanthrenecarboxylic acid, 5,6-bis(acetyloxy)-1,3,4,9,10,10a-hexahydro-1,1-dimethyl-7-(1-methylethyl)-, methyl ester, (4aR-trans)-

CN Salvin, methyl ester, diacetate (7CI)

## OTHER NAMES:

CN Carnosic acid diacetate methyl ester

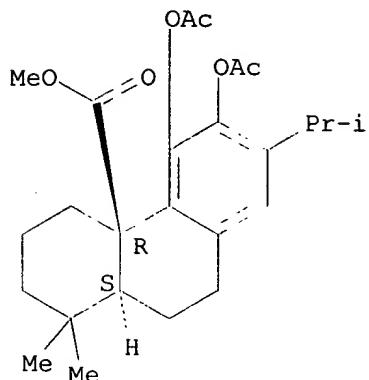
FS STEREOSEARCH

MF C25 H34 O6

SR CA

LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

8 REFERENCES IN FILE CA (1967 TO DATE)  
8 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L10 ANSWER 4 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 99353-00-1 REGISTRY

CN Benzene propanoic acid, .alpha.-[(2E)-3-(3,4-dihydroxyphenyl)-1-oxo-2-propenyl]oxy]-3,4-dihydroxy-, methyl ester, (.alpha.R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzene propanoic acid, .alpha.-[(3-(3,4-dihydroxyphenyl)-1-oxo-2-propenyl)oxy]-3,4-dihydroxy-, methyl ester, [R-(E)]-

OTHER NAMES:

CN Methyl rosmarinate

CN Rosmarinic acid methyl ester

FS STEREOSEARCH

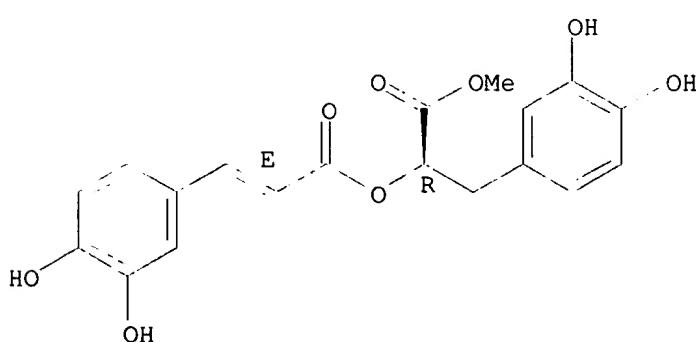
MF C19 H18 O8

SR CA

LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAPLUS, NAPRALERT, TOXLIT  
(\*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).

Double bond geometry as shown.

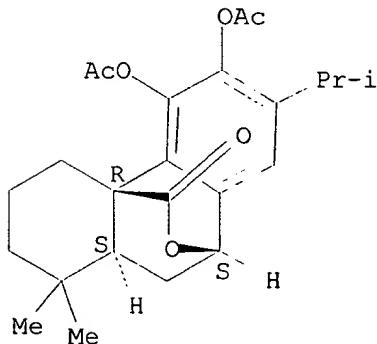


## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

22 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 22 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 5 OF 16 REGISTRY COPYRIGHT 2002 ACS  
 RN 85684-30-6 REGISTRY  
 CN 2H-9,4a-(Epoxymethano)phenanthren-12-one, 5,6-bis(acetyloxy)-  
 1,3,4,9,10,10a-hexahydro-1,1-dimethyl-7-(1-methylethyl)-, (4aR,9S,10aS)-  
 (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 2H-9,4a-(Epoxymethano)phenanthren-12-one, 5,6-bis(acetyloxy)-  
 1,3,4,9,10,10a-hexahydro-1,1-dimethyl-7-(1-methylethyl)-,  
 [4aR-(4a.alpha.,9.alpha.,10a.beta.)]-  
 CN Carnosol, diacetate (7CI)  
 OTHER NAMES:  
 CN Diacetylcarnosol  
 FS STEREOSEARCH  
 MF C24 H30 O6  
 LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT  
 (\*File contains numerically searchable property data)

Absolute stereochemistry.



## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1967 TO DATE)  
 3 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

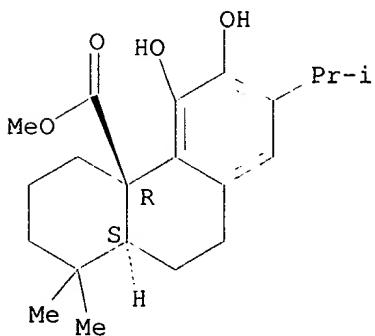
L10 ANSWER 6 OF 16 REGISTRY COPYRIGHT 2002 ACS  
 RN 84604-14-8 REGISTRY \*  
 \* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN\* at an online arrow prompt (=>).  
 CN Rosemary, ext. (CA INDEX NAME)  
 DEF Extractives and their physically modified derivatives such as tinctures, concretes, absolutes, essential oils, oleoresins, terpenes, terpene-free fractions, distillates, residues, etc., obtained from Rosmarinus officinalis, Labiateae.  
 DR 84681-73-2  
 MF Unspecified

CI MAN, CTS  
 SR Commission of European Communities  
 LC STN Files: CA, CAPLUS, CHEMLIST, CSCHEM, TOXCENTER, USPATFULL  
 Other Sources: EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
 2 REFERENCES IN FILE CA (1967 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 7 OF 16 REGISTRY COPYRIGHT 2002 ACS  
 RN 82684-06-8 REGISTRY  
 CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6-dihydroxy-1,1-dimethyl-7-(1-methylethyl)-, methyl ester, (4aR,10aS)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6-dihydroxy-1,1-dimethyl-7-(1-methylethyl)-, methyl ester, (4aR-trans)-  
 OTHER NAMES:  
 CN Carnosic acid methyl ester  
 CN Methyl carnazolate  
 CN Methyl carnosate  
 FS STEREOSEARCH  
 MF C21 H30 O4  
 LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT, PROMT, TOXCENTER, TOXLIT

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

15 REFERENCES IN FILE CA (1967 TO DATE)  
 15 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 8 OF 16 REGISTRY COPYRIGHT 2002 ACS  
 RN 80225-53-2 REGISTRY  
 CN 2H-10,4a-(Epoxymethano)phenanthren-12-one, 1,3,4,9,10,10a-hexahydro-5,6,9-trihydroxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR,9S,10S,10aS)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 2H-10,4a-(Epoxymethano)phenanthren-12-one, 1,3,4,9,10,10a-hexahydro-5,6,9-trihydroxy-1,1-dimethyl-7-(1-methylethyl)-, [4aR-(4a.alpha.,9.beta.,10.alpha.,10a.beta.)]-

OTHER NAMES:

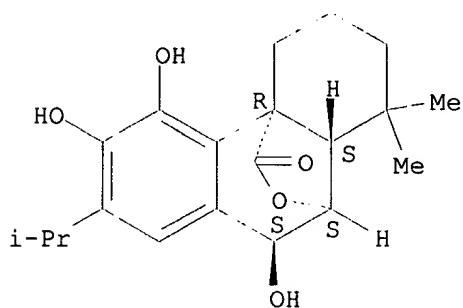
CN Rosmanol  
FS STEREOSEARCH

DR 33985-86-3

MF C20 H26 O5

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA,  
CAPLUS, DDFU, DRUGU, NAPRALERT, PROMT, TOXCENTER, TOXLIT, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

65 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
65 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 9 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 80154-99-0 REGISTRY

CN 2H-10,4a-(Epoxymethano)phenanthren-12-one, 5,6,9-tris(acetyloxy)-  
1,3,4,9,10,10a-hexahydro-1,1-dimethyl-7-(1-methylethyl)-,  
(4aR,9S,10S,10aS)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2H-10,4a-(Epoxymethano)phenanthren-12-one, 5,6,9-tris(acetyloxy)-  
1,3,4,9,10,10a-hexahydro-1,1-dimethyl-7-(1-methylethyl)-,  
[4aR-(4a.alpha.,9.beta.,10.alpha.,10a.beta.)]-

OTHER NAMES:

CN Rosmanol triacetate

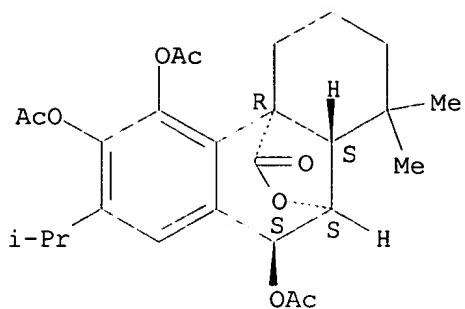
CN Triacetylrosmanol

FS STEREOSEARCH

MF C26 H32 O8

LC STN Files: CA, CAPLUS

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5 REFERENCES IN FILE CA (1967 TO DATE)  
5 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 10 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 73584-61-9 REGISTRY

CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6,9-trihydroxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR,9S,10aS)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6,9-trihydroxy-1,1-dimethyl-7-(1-methylethyl)-, [4aR-(4a.alpha.,9.alpha.,10a.beta.)]-

OTHER NAMES:

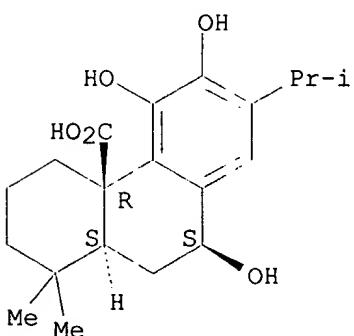
CN Carnosolic acid

FS STEREOSEARCH

MF C20 H28 O5

LC STN Files: AGRICOLA, BIOPHARMA, BIOSIS, CA, CAPLUS, DDFU, DRUGU, NAPRALERT, TOXCENTER, TOXLIT

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

8 REFERENCES IN FILE CA (1967 TO DATE)  
8 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 11 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 25460-12-2 REGISTRY

KATHLEEN FULLER EIC 1700/LAW LIBRARY 308-4290

CN 2H-9,4a-(Epoxyethano)phenanthren-12-one, 1,3,4,9,10,10a-hexahydro-5,6-dimethoxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR,9S,10aS)- (9CI) (CA INDEX NAME)

## OTHER CA INDEX NAMES:

CN 2H-9,4a-(Epoxyethano)phenanthren-12-one, 1,3,4,9,10,10a-hexahydro-5,6-dimethoxy-1,1-dimethyl-7-(1-methylethyl)-, [4aR-(4a.alpha.,9.alpha.,10a.beta.)]-

CN Podocarpa-8,11,13-trien-17-oic acid, 7.beta.-hydroxy-13-isopropyl-11,12-dimethoxy-, .delta.-lactone (8CI)

## OTHER NAMES:

CN 11,12-Di-O-methylcarnosol

CN Carnosol dimethyl ether

CN Carnosol, di-O-methyl-

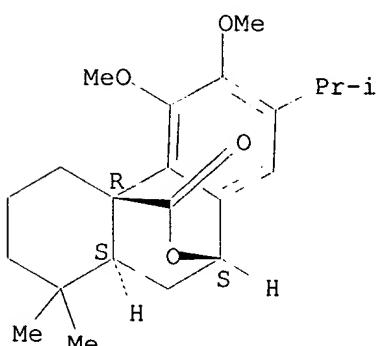
CN Di-O-methylcarnosol

FS STEREOSEARCH

MF C22 H30 O4

LC STN Files: AGRICOLA, BEILSTEIN\*, BIOSIS, CA, CAPLUS, CASREACT, TOXCENTER, TOXLIT  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

12 REFERENCES IN FILE CA (1967 TO DATE)

12 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 12 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 20337-29-5 REGISTRY

CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6-dimethoxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR,10aS)- (9CI) (CA INDEX NAME)

## OTHER CA INDEX NAMES:

CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6-dimethoxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR-trans)-

CN Podocarpa-8,11,13-trien-17-oic acid, 13-isopropyl-11,12-dimethoxy- (7CI, 8CI)

## OTHER NAMES:

CN Carnosic acid dimethyl ether

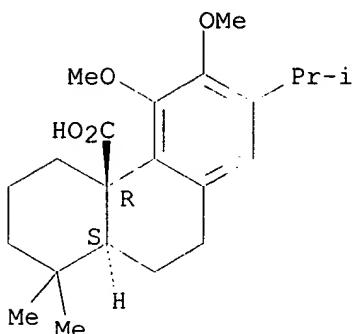
CN Carnosic acid, di-O-methyl-

FS STEREOSEARCH

MF C22 H32 O4

LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

6 REFERENCES IN FILE CA (1967 TO DATE)  
 6 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L10 ANSWER 13 OF 16 REGISTRY COPYRIGHT 2002 ACS  
 RN 20283-92-5 REGISTRY

CN Benzenepropanoic acid, .alpha.-[(2E)-3-(3,4-dihydroxyphenyl)-1-oxo-2-propenyl]oxy]-3,4-dihydroxy-, (.alpha.R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzenepropanoic acid, .alpha.-[(3-(3,4-dihydroxyphenyl)-1-oxo-2-propenyl]oxy]-3,4-dihydroxy-, [R-(E)]-

CN Cinnamic acid, 3,4-dihydroxy-, 2-ester with 3-(3,4-dihydroxyphenyl)lactic acid (8CI)

CN Rosmarinic acid (6CI, 7CI)

OTHER NAMES:

CN Rosemaric acid

CN Rosemary acid

FS STEREOSEARCH

MF C18 H16 O8

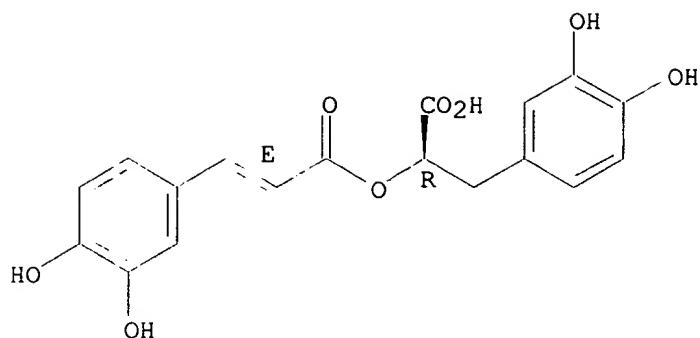
CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, IPA, NAPRALERT, PHAR, PROMT, RTECS\*, SPECINFO, TOXCENTER, TOXLIT, USPATFULL

(\*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).

Double bond geometry as shown.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

439 REFERENCES IN FILE CA (1967 TO DATE)  
 9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 442 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L10 ANSWER 14 OF 16 REGISTRY COPYRIGHT 2002 ACS  
 RN 8000-25-7 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN\* at an online arrow prompt (=>).

CN Oils, rosemary (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Essential oils, rosemary

CN Oils, essential, rosemary

OTHER NAMES:

CN Essential rosemary oil

CN Oils, Rosmarinus officinalis

CN Rosemary essential oils

CN Rosemary leaf oil

CN Rosemary oil

CN Rosemary oil

CN Rosmarinus officinalis leaf oils

CN Rosmarinus officinalis oil

DEF Extractives and their physically modified derivatives. Rosmarinum officinalis, Labiateae.

MF Unspecified

CI MAN, CTS

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, IPA, MEDLINE, MSDS-OHS, NIOSHTIC, RTECS\*, USPATFULL, VETU

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L10 ANSWER 15 OF 16 REGISTRY COPYRIGHT 2002 ACS  
 RN 5957-80-2 REGISTRY

CN 2H-9,4a-(Epoxymethano)phenanthren-12-one, 1,3,4,9,10,10a-hexahydro-5,6-dihydroxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR,9S,10aS)- (9CI) (CA INDEX NAME)

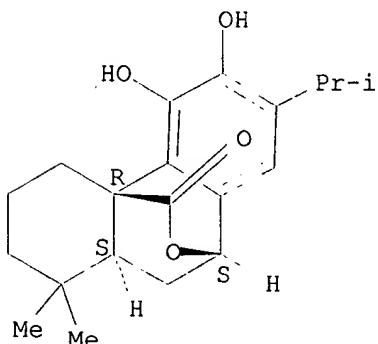
OTHER CA INDEX NAMES:

CN 2H-9,4a-(Epoxymethano)phenanthren-12-one, 1,3,4,9,10,10a-hexahydro-5,6-dihydroxy-1,1-dimethyl-7-(1-methylethyl)-, [4aR-(4a.alpha.,9.alpha.,10a.beta.)]-  
 CN Picrosalvin (6CI)  
 CN Podocarpa-8,11,13-trien-17-oic acid, 7.beta.,11,12-trihydroxy-13-isopropyl-, 17,7-lactone (7CI, 8CI)

## OTHER NAMES:

CN Carnosol  
 FS STEREOSEARCH  
 MF C20 H26 O4  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, IPA, MEDLINE, NAPRALERT, NIOSHTIC, PROMT, TOXCENTER, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)

Absolute stereochemistry.



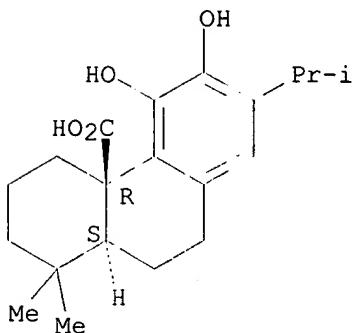
## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

123 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 124 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L10 ANSWER 16 OF 16 REGISTRY COPYRIGHT 2002 ACS  
 RN 3650-09-7 REGISTRY  
 CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6-dihydroxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR,10aS)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6-dihydroxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR-trans)-  
 CN Podocarpa-8,11,13-trien-17-oic acid, 11,12-dihydroxy-13-isopropyl- (7CI, 8CI)  
 OTHER NAMES:  
 CN Carnosic acid  
 CN RoseOx  
 CN Salvin  
 FS STEREOSEARCH  
 MF C20 H28 O4  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA,

CANCERLIT, CAOLD, CAPLUS, CEN, CHEMCATS, CSCHEM, DDFU, DRUGU, EMBASE,  
MEDLINE, NAPRALERT, PROMT, TOXCENTER, TOXLIT, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

135 REFERENCES IN FILE CA (1967 TO DATE)  
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
137 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> FILE HCAPLUS

FILE 'HCAPLUS' ENTERED AT 14:52:25 ON 07 JAN 2002  
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FILE COVERS 1907 - 7 Jan 2002 VOL 136 ISS 2  
FILE LAST UPDATED: 6 Jan 2002 (20020106/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

HCPlus now provides online access to patents and literature covered in CA from 1907 to the present. Bibliographic information and abstracts were added in 2001 for over 3.8 million records from 1907-1966.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For

information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> D QUE L16

L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY, EXT."/CN)  
L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN  
L6 2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE"/CN)  
L7 3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR "CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR "CARNOSOLIC ACID"/CN)  
L8 2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC ACID METHYL ESTER"/CN)  
L9 5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)  
L10 16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)  
L11 2406 SEA FILE=HCAPLUS ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX OR SALVIN OR ROSMARINUS OR ROSMARIC?  
L12 8 SEA FILE=HCAPLUS ABB=ON L11 AND CIGARET?  
L13 0 SEA FILE=HCAPLUS ABB=ON L11 AND CIGARET?(S) (PAPER? OR FILTER? OR FILTRE?)  
L14 0 SEA FILE=HCAPLUS ABB=ON L12 AND (FREE(3A)RADICAL OR FREEREADIC AL)  
L15 0 SEA FILE=HCAPLUS ABB=ON L12 AND SCAVENG?  
L16 0 SEA FILE=HCAPLUS ABB=ON (L13 OR L14 OR L15)

=> FILE WPIX

FILE 'WPIX' ENTERED AT 14:52:57 ON 07 JAN 2002  
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FILE LAST UPDATED: 05 JAN 2002 <20020105/UP>  
MOST RECENT DERWENT UPDATE 200201 <200201/DW>  
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> SDI'S MAY BE RUN ON EVERY UPDATE OR MONTHLY AS OF JUNE 2001.  
(EVERY UPDATE IS THE DEFAULT). FOR PRICING INFORMATION  
SEE HELP COST <<<

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SEE [<<<](http://www.derwent.com/dwpi/updates/dwpicov/index.html)

=> D QUE L19

L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY, EXT."/CN)  
L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN

L6 2 SEA FILE=REGISTRY ABB=ON ("ROSMANOL/CN OR "ROSMANOL TRIACETATE"/CN)  
L7 3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR  
"CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR  
"CARNOSOLIC ACID"/CN)  
L8 2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC  
ACID METHYL ESTER"/CN)  
L9 5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC  
ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL  
ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC  
ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)  
L10 16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)  
L17 845 SEA FILE=WPIX ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR ROSMANOL?  
OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX OR  
SALVIN OR ROSMARINUS OR ROSMARIC?  
L18 6 SEA FILE=WPIX ABB=ON L17 AND CIGARET?  
L19 2 SEA FILE=WPIX ABB=ON L18 AND (FILTER? OR PAPER? OR FILTRE?)

=> FILE NAPRA

FILE 'NAPRALERT' ENTERED AT 14:53:13 ON 07 JAN 2002

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prompt (=>) for data content and search strategy information.

FILE COVERS 1650 TO 10 DEC 2001 (20011210/ED)

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> D QUE L23

L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY  
ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY  
OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY,  
EXT."/CN)  
L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN  
L6 2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE"/CN)  
L7 3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR  
"CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR  
"CARNOSOLIC ACID"/CN)  
L8 2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC  
ACID METHYL ESTER"/CN)  
L9 5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC  
ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL  
ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC  
ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)  
L10 16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)  
L20 521 SEA FILE=NAPRALERT ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR  
ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX  
OR SALVIN OR ROSMARINUS OR ROSMARIC?  
L21 0 SEA FILE=NAPRALERT ABB=ON L20(S)CIGARET?

L22 0 SEA FILE=NAPRALERT ABB=ON L20(S) (FILTER? OR FILTRE? OR  
PAPER?)  
L23 0 SEA FILE=NAPRALERT ABB=ON L21 OR L22

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=> FILE JAPIO  
FILE 'JAPIO' ENTERED AT 14:53:29 ON 07 JAN 2002  
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FILE LAST UPDATED: 02 JAN 2002 <20020102/UP>  
FILE COVERS 1976 THROUGH SEP 28, 2001

=> D QUE L25

L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY  
ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY  
OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY,  
EXT."/CN)  
L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN  
L6 2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE"  
/CN)  
L7 3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR  
"CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR  
"CARNOSOLIC ACID"/CN)  
L8 2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC  
ACID METHYL ESTER"/CN)  
L9 5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC  
ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL  
ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC  
ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)  
L10 16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)  
L24 229 SEA FILE=JAPIO ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR  
ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX  
OR SALVIN OR ROSMARINUS OR ROSMARIC?  
L25 1 SEA FILE=JAPIO ABB=ON L24 AND CIGARET?

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=> FILE NTIS  
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FILE LAST UPDATED: 04 JAN 2002 <20020104/UP>  
FILE COVERS 1964 TO DATE.

=> D QUE L26

L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY  
ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY  
OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY,  
EXT."/CN)  
L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN  
L6 2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE"  
/CN)  
L7 3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR  
"CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR  
"CARNOSOLIC ACID"/CN)  
L8 2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC  
ACID METHYL ESTER"/CN)  
L9 5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC

ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)  
L10 16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)  
L24 229 SEA FILE=JAPIO ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX OR SALVIN OR ROSMARINUS OR ROSMARIC?  
L26 0 SEA FILE=NTIS ABB=ON L24 AND CIGARET?

=> FILE BIOSIS

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FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 2 January 2002 (20020102/ED)

The BIOSIS file has been reloaded. Enter HELP RLOAD and HELP REINDEXING  
for details.

=> D QUE

L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY, EXT."/CN)  
L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN  
L6 2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE" /CN)  
L7 3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR "CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR "CARNOSOLIC ACID"/CN)  
L8 2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC ACID METHYL ESTER"/CN)  
L9 5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)  
L10 16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)  
L31 5299 SEA FILE=PROMT ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX OR SALVIN OR ROSMARINUS OR ROSMARIC?  
L34 2 SEA FILE=PROMT ABB=ON L31(L)CIGARET?(4A) (PAPER? OR FILTER?)

=> D QUE L27

L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY, EXT."/CN)  
L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN  
L6 2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE" /CN)  
L7 3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR "CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR "CARNOSOLIC ACID"/CN)  
L8 2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC ACID METHYL ESTER"/CN)

L9 5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC  
ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL  
ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC  
ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)  
L10 16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)  
L24 229 SEA FILE=JAPIO ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR  
ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX  
OR SALVIN OR ROSMARINUS OR ROSMARIC?  
L27 0 SEA FILE=BIOSIS ABB=ON L24 AND CIGARET?

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=> FILE MEDLINE

FILE 'MEDLINE' ENTERED AT 14:54:22 ON 07 JAN 2002

FILE LAST UPDATED: 2 JAN 2002 (20020102/UP). FILE COVERS 1958 TO DATE.

On April 22, 2001, MEDLINE was reloaded. See HELP RLOAD for details.

MEDLINE now contains IN-PROCESS records. See HELP CONTENT for details.

MEDLINE is now updated 4 times per week. A new current-awareness alert frequency (EVERYUPDATE) is available. See HELP UPDATE for more information.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2001 vocabulary. Enter HELP THESAURUS for details.

The OLDMEDLINE file segment now contains data from 1958 through 1965. Enter HELP CONTENT for details.

Left, right, and simultaneous left and right truncation are available in the Basic Index. See HELP SFIELDS for details.

THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE SUBSTANCE IDENTIFICATION.

=> D QUE L28

L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY  
ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY  
OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY,  
EXT."/CN)  
L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN  
L6 2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE"  
/CN)  
L7 3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR  
"CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR  
"CARNOSOLIC ACID"/CN)  
L8 2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC  
ACID METHYL ESTER"/CN)  
L9 5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC  
ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL  
ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC  
ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)  
L10 16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)  
L24 229 SEA FILE=JAPIO ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR  
ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX  
OR SALVIN OR ROSMARINUS OR ROSMARIC?  
L28 0 SEA FILE=MEDLINE ABB=ON L24 AND CIGARET?

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=> FILE EMBASE

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WALLS 09/582130 Page 18

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FILE COVERS 1974 TO 3 Jan 2002 (20020103/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> D QUE L29

L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY, EXT."/CN)  
L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN  
L6 2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE" /CN)  
L7 3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR "CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR "CARNOSOLIC ACID"/CN)  
L8 2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC ACID METHYL ESTER"/CN)  
L9 5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)  
L10 16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)  
L11 2406 SEA FILE=HCAPLUS ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX OR SALVIN OR ROSMARINUS OR ROSMARIC?  
L29 0 SEA FILE=EMBASE ABB=ON L11 AND CIGARET?

=> DUP REM L19 L25

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PROCESSING COMPLETED FOR L19

PROCESSING COMPLETED FOR L25

L35 3 DUP REM L19 L25 (0 DUPLICATES REMOVED)

=> D L35 ALL 1-3

L35 ANSWER 1 OF 3 WPIX COPYRIGHT 2002 DERWENT INFORMATION LTD  
AN 1999-373870 [32] WPIX  
DNN N1999-279119 DNC C1999-110499  
TI Cigarette filters containing free radical scavengers to reduce carcinogenicity - in form of poly phenolic compounds, especially rosemary extract.  
DC A97 D18 E14 P15  
IN EMAMI, I  
PA (EMAM-I) EMAMI A; (FRAR-N) FR AROMES & PARFUMS; (BIOS-N) BIOSYNTHEC  
CYC 85  
PI FR 2772561 A1 19990625 (199932)\* 6p A24D003-14  
WO 9933365 A1 19990708 (199934) FR A24D003-14  
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL  
OA PT SD SE SZ UG ZW

*applicant*

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AU 9918832 A 19990719 (199951) A24D003-14  
EP 1041899 A1 20001011 (200052) FR A24D003-14  
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CN 1283966 A 20010214 (200130) A24D003-14  
BR 9814488 A 20010925 (200161) A24D003-14  
KR 2001033587 A 20010425 (200164) A24D003-14

ADT FR 2772561 A1 FR 1997-16522 19971224; WO 9933365 A1 WO 1998-FR2868 19981223; AU 9918832 A AU 1999-18832 19981223; EP 1041899 A1 EP 1998-FR2868 19981223, WO 1998-FR2868 19981223; NO 2000003324 A WO 1998-FR2868 19981223, NO 2000-3324 20000623; CN 1283966 A CN 1998-813332 19981223; BR 9814488 A BR 1998-14488 19981223, WO 1998-FR2868 19981223; KR 2001033587 A KR 2000-707098 20000623

FDT AU 9918832 A Based on WO 9933365; EP 1041899 A1 Based on WO 9933365; BR 9814488 A Based on WO 9933365

PRAI FR 1997-16522 19971224

IC ICM A24D003-14

AB FR 2772561 A UPAB: 19990819  
Polyphenolic compounds (I) are used as free radical scavengers in cigarette filters. Also claimed are (i) a process comprising incorporating (I) in a cigarette filter; and (iii) a cigarette filter obtained by this process.  
USE - In cigarette filters as free radical scavengers (claimed).  
ADVANTAGE - (I) capture free radicals of carcinogenic and cytotoxic compounds, e.g. benzpyrenes, detoxify such compounds, and inhibit formation of heterocyclic amines during combustion of tobacco.

Dwg.0/0

FS CPI GMPI

FA AB; DCN

MC CPI: A12-W; D07-D; E10-E02D

L35 ANSWER 2 OF 3 JAPIO COPYRIGHT 2002 JPO  
AN 1997-103473 JAPIO  
TI DEODORANT COMPOSITION  
IN NOGUCHI SHINICHI; SUENAGA KAZUTAMI; FUKUDA AKI; ASANO MIYUKI  
PA SANEI KAGAKU KK, JP (CO)  
PI JP 09103473 A 19970422 Heisei  
AI JP1995-288121 (JP07288121 Heisei) 19951011  
SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 97, No. 4  
IC ICM (6) A61L009-01  
ICS (6) A61K007-11; (6) A61K007-135; (6) A61K007-155; (6) A61K007-46; (6) A61K007-50  
AB PURPOSE: TO BE SOLVED: To provide a deodorant compsn. which removes the uncomfortable smells by the use of hair removing agents, decoloring agents, hair dyes, etc. and removes the smells of cigarettes, the malodors of excrement and the fishy smells of fishes and meat without using a large amt. of perfumes having intensive aroma.  
CONSTITUTION: deodorant compsn. contains at least one kind of the essential oils obtainable from fennels, oranges, cloves, pines, mints, eucalyptus, rosemary and Roman chamomile.

L35 ANSWER 3 OF 3 WPIX COPYRIGHT 2002 DERWENT INFORMATION LTD  
AN 1986-009454 [02] WPIX  
DNN N1986-006778 DNC C1986-004030

TI Cigarette filter impregnated with essential e.g. thyme  
oil - to give aroma and protect lungs, the oil being used in aromatherapy.

DC D18 P15

PA (GREN-I) GRENET E P

CYC 1

PI FR 2564296 A 19851122 (198602)\* 2p

ADT FR 2564296 A FR 1984-7574 19840516

PRAI FR 1984-7574 19840516

IC A24D003-14

AB FR 2564296 A UPAB: 19930922

**Cigarette filter** is impregnated with an essential oil  
indexed in aromatherapy, pref. thyme, **rosemary**, lavender, basil,  
orange tree or clove oil.

ADVANTAGE - The oil aromatises the **cigarette smoke**,  
protects the lungs and respiratory system generally due to their  
antiseptic power and allows supplementary retention of tars (about 20%).

0/0

FS CPI GMPI

FA AB

MC CPI: D07-D